



Intro to CSS Grid

Grady Fields

Others Talk,
We Listen.

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2 About Me

- 5 years with CapTech
- Full Stack Web development
- C#, Go, Javascript...
- Kinda curious where containers will go
- github.com/ramjac

3 Quick Demo

<https://grid-demo-180302.appspot.com/basic/>

4 HTML

```
<!-- Bootstrap -->  
<div id="main-content">  
  <div class="row" ...  
    <div class="col-md-1...  
  
  <!-- infinitely more  
    nested divs -->
```

```
<!-- CSS Grid! -->  
<div id="site">  
  <h1 ...  
  
  <nav ...  
  
  <main ...  
  
  <aside ...  
  
  <footer ...  
  
</div>
```

5 CSS (Part 1)

```
/* Mobile and Grid unsupported first */
```

```
nav, main, aside, footer {  
    max-width: 65em;  
    margin: 0 auto;  
}
```

6 CSS (Part 2)

```
@supports (display: grid) {  
  @media screen and (min-width: 800px) {  
    nav { grid-area: nav; }  
    h1.page-title { grid-area: head; }  
    main { grid-area: main; }  
    aside { grid-area: sidebar; }  
    footer { grid-area: footer; }  
  }  
}
```

7 CSS (Part 3)

```
#site {  
    height: 100%;  
    display: grid;  
    grid-template-columns: 2fr 1fr;  
    grid-gap: 1em;  
    grid-template-areas: "head head"  
                        "nav nav"  
                        "main sidebar"  
                        "footer footer";  
}
```

8 Now Something a Little More Interesting

<https://grid-demo-180302.appspot.com/jscomponents/>

9 File List with CSS Grid

```
@supports (display: grid) {  
    @media screen and (max-width: 1200px) {  
        ul {  
            display: var(--show-list);  
        }  
    }  
}
```

10 File List with CSS Grid

```
@media screen and (min-width: 450px) {  
    ul { grid-template-columns: repeat(2, 1fr); }  
}  
  
@media screen and (min-width: 650px) {  
    ul { grid-template-columns: repeat(3, 1fr); }  
}  
  
@media screen and (min-width: 1200px) {  
    ul { grid-template-columns: repeat(1, 1fr); }  
}
```

11 Browser Compatibility

Supports Grid

- Chrome
- Firefox
- Safari

Will Support Grid Next Week (really)

- Edge

Will Never Support Grid

- Internet Explorer

| Any Questions?

Checkout the source

- github.com/ramjac/GridDemo

Demo pages

- grid-demo-180302.appspot.com/basic/
- grid-demo-180302.appspot.com/jscomponents/

Resources about CSS Grid development

- developer.mozilla.org/en-US/docs/Web/CSS/grid
- gridbyexample.com/examples/
- The talk that inspired this talk - <https://www.youtube.com/watch?v=7kVeCqQCxIk>